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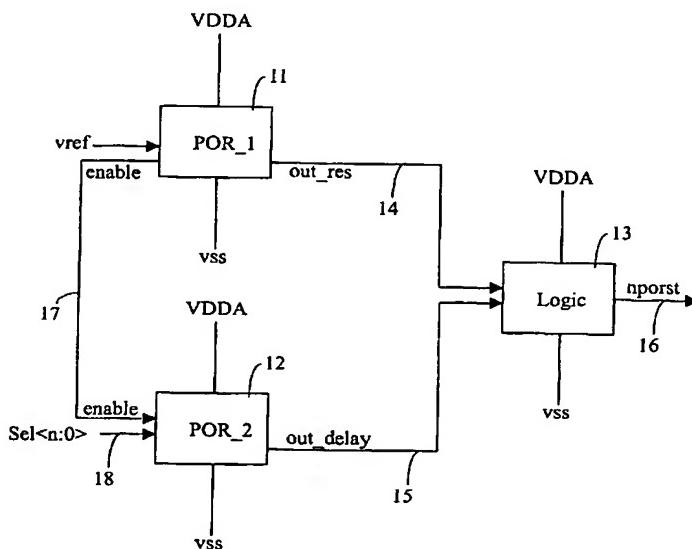
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(54) Title: CONTACT MEMBER FOR MANHOLE AND THE LIKE

✓ 10



(57) Abstract: A contact member adapted to be positioned at least partially between a cover and a frame of a manhole structure or the like is disclosed. The contact member has a first side adapted to be connected to the cover and a second side adapted to be connected to the frame and at least one compartment open to the surface of the contact member. The compartment(s) are positioned between the first side and the second side. Amongst others, the disclosed contact member allows for larger tolerances of the cover and/or frame dimension.

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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H03K G06F G01R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|----------|--|-----------------------|
| X | US 4 473 759 A (MAHABADI JOHN K) 25 September 1984 (1984-09-25) figures 1,2 column 3, line 54 - line 61 | 1-13 |
| X | EP 0 740 417 A (TOKYO SHIBAURA ELECTRIC CO) 30 October 1996 (1996-10-30) figure 2 | 1-13 |
| X | US 6 163 183 A (NELSON DALE H ET AL) 19 December 2000 (2000-12-19) figure 3 | 1-13 |

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Patent family members are listed in annex.

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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| Patent document cited in search report | Publication date | Patent family member(s) | | Publication date |
|--|------------------|-------------------------|--|------------------|
| US 4473759 | A 25-09-1984 | NONE | | |
| EP 0740417 | A 30-10-1996 | DE 69630482 D1 | | 04-12-2003 |
| | | EP 0740417 A2 | | 30-10-1996 |
| | | JP 3117404 B2 | | 11-12-2000 |
| | | JP 9018327 A | | 17-01-1997 |
| | | KR 223501 B1 | | 15-10-1999 |
| | | US 5780942 A | | 14-07-1998 |
| US 6163183 | A 19-12-2000 | NONE | | |

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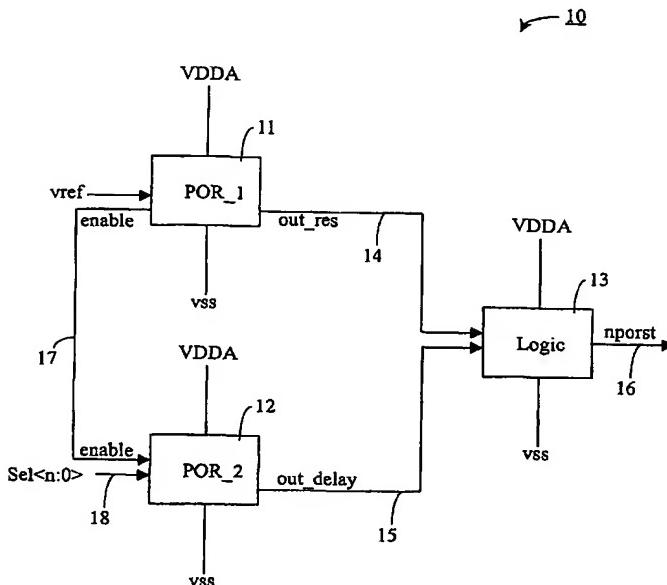
- (51) International Patent Classification⁷: H03K 3/356, (74) Agent: MEYER, Michael; Philips Intellectual Property & Standards GmbH, Weisshausstr. 2, 52066 Aachen (DE).
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- (25) Filing Language: English (30) Priority Data: English (21) International Application Number: PCT/IB2003/005986 (71) Applicant (*for all designated States except US*): KONINKLIJKE PHILIPS ELECTRONICS N.V. [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL). (72) Inventor; and (75) Inventor/Applicant (*for US only*): NERI, Filippine, Maria [IT/DE]; c/o Philips Intellectual Property Standards GmbH, Weisshausstr. 2, 52066 Aachen (DE).

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(54) Title: POWER SUPPLY LEVEL MONITORING AND RESET GENERATION



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(57) Abstract: Apparatus (10) for generating a logic signal (nporst) indicating that a supply voltage (VDDA) has reached a stable level. The apparatus (10) comprises a first unit (POR_1, 11) for comparing a reference voltage (vref) with a sub-voltage (input_plus) derived from the supply voltage (VDDA) in order to issue a first logic signal (out_res) when the sub-voltage (input_plus; Vtr, Vsel) has reached the reference voltage (vref). A second unit (POR_2, 12;22) is provided for applying a delay in order to issue a delayed logic signal (out_delay). A logic unit (13) combines the first logic signal (out_res) and the delayed logic signal (out_delay) in order to provide the logic signal (nporst).



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